

25X1A

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25X1A5a1 7. One of the more critical problems on this task is that of obtaining a suitable tape recorder. This recorder must be capable of storing signals from 250 cps to 10,000 cps, and must permit playback at a speed roughly 12 times greater than the recording speed. The task outline for this project was written with the assumption that the CB-3 recorder, now being developed for the Agency, would be modified to fit the requirements of the CS-11. The contractor acknowledged this in the Technical Proposal, which states, "specifications and assistance in procurement will be given by the customer for the Data Collection Site Dual Channel Tape Recorder." Final engineering reports on the two CB-3 recorders developed on a parallel-program by [REDACTED] 25X1A5a1
[REDACTED] will be available within 60 days. An engineering model of the most promising version of the recorder will be supplied to the contractor at that time for evaluation, and to assist in determining the modifications needed to convert the CB-3 for use in the CS-11 system. [REDACTED] 25X1A5a1
[REDACTED] feels that some of the techniques used on the subminiature data recorders in the Vanguard and Explorer satellites might be of considerable value in the modification of the CB-3. The writer will attempt to supply to the contractor complete data on the subminiature motors and drive mechanisms used in these recorders. A new coaxial motor, recently developed by the [REDACTED] 25X1A5a1
[REDACTED] seems to offer exceptional possibilities as a variable speed power source for recorder drive mechanisms. The [REDACTED] technical representative has expressed a strong interest in having [REDACTED] consider the 25X1A5a1
[REDACTED] 25X1A coaxial motor for use in the CS-11 recorder. The contractor has, accordingly, directed inquiries to [REDACTED] 25X1A
[REDACTED] requesting all available information on this new development. The present schedule calls for [REDACTED] 25X1A
[REDACTED] to award a subcontract for the modification of a recorder to meet the CS-11 requirements by February 1959.

[REDACTED]
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cc: R+D Subject File
Monthly Report
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